

## FILE 'USPATFULL' ENTERED AT 14:15:22 ON 18 DEC 2000 E US5510982/RPN

L1	6	S	E3
L2	503	s	(701/51 OR 701/55 OR 701/56 OR 701/58)/NCLM, NCLS
L3	294	s	(477/115 OR 477/120 OR 477/900)/NCLM, NCLS
L4	63	s	706/905/NCLM, NCLS
L5	779	s	L2 OR L3 OR L4
L6	9985	s	AUTOMATIC TRANSMISSION
L7	6513	S	TORQUE CONVERTER
<b>F8</b>	7708	s	(ESTIMAT? OR CALCULAT? OR DETERMIN?) (3A) TORQUE
L9	168	S	L6(P)L7(P)L8
L10	5026	S	TURBINE (3A) SPEED
L11	19	S	L10(P)L9
L12	31209	S	ENGINE (2A) SPEED
L13	107	S	RATIO(10A)(L10(5A)L12)
L14	38	S	L13 AND L9
L15	30	S	L14 NOT L11

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OUESTEL '
Current host setting :7 BITS - KERMIT protocol
Mode actif du serveur :7 BITS - protocole KERMIT
I - OUESTEL.ORBIT IMAGES Gif/Tiff
M - MERGED MARKUSH SERVICE (MMS)
  .. FILE / .. INFO / .. GUIDE
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                                                   0.77 USD
 Estimated total session cost
  Selected file: PLUSPAT
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 Comprehensive Worldwide Patents database
 UP (basic) updates thru 2000-49
 Content and searching information: see INFO PLUSPAT
 Last database update : 2000/12/14 (YYYY/MM/DD)
  Search statement
?us5510982/pn
 ** SS 1: Results 1
 Search statement
?prt legalall full
  1/1 PLUSPAT - (C) QUESTEL-ORBIT
 PN - US5510982 A 19960423 [US5510982]
  STG - (A) United States patent
     - (A) Automatic automobile transmission with variable shift pattern
       controlled in response to estimated running load
     - (A) HITACHI LTD (JP)
 PA
                            (JP); KITANO KOUJI (JP); KAYANO MITSUO (JP);
  IN
     - (A) OHNISHI HIROSHI
       KURIHARA NOBUO
                       (JP)
  IC
     - (A) B60K-017/06
     - US98519992 19921203 [1992US-0985199]
 AΡ
     - JP31920591 19911203 [1991JP-0319205]
 PR
     - F16H-059/52
      - F16H-061/02E1M
 ICO - R16H-059/14
      - R16H-059/38T
      - R16H-059/46T
      - R16H-059/48
      - R16H-061/00M2
PCL - ORIGINAL (O) : 701055000; CROSS-REFERENCE (X) : 477120000 477900000
       706905000
 DT - Corresponding document
 1/1 LGST - (C) LEGSTAT
     - US 5510982 [US5510982]
     - US 985199/92 19921203 [1992US-0985199]
 ΑP
 DT - US-P
 ACT - 19921203 US/AE-A
       APPLICATION DATA (PATENT)
        {US 985199/92 19921203 [1992US-0985199]}
      - 19930222 US/AS02
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ASSIGNMENT OF ASSIGNOR'S INTEREST
       HITACHI, LTD. 6, KANDA SEBUGADAI 4-CHOME CHIYODA-KU, TOKY
ONISHI, HIROSHI : 19930 KITANO, KOUJI : 19930202; KA
                                                                      JAPAN *
       ONISHI, HIROSHI : 19930 KITANO, KOUJI : 19930202; KA
19930202; KURIHARA, MOBUO : 19930202
                                                                       , MITSUO :
       19960423 US/A
        PATENT
      - 19981006 US/RF
        REISSUE APPLICATION FILED
        980423
       20000912 US/RF
        REISSUE APPLICATION FILED
        20000204
 UP - 2000-40
 1/1 CRXX - (C) CLAIMS/RRX
 AN - 2711773
     - 5,510,982 A 19960423 [US5510982]
     - E (Electrical)
     - Hitachi Ltd JP
 ACT - 19980423 REISSUE REQUESTED
        Issue Date of O.G.: 19981006
        Reissue Request Number: 09/064765
        Examination Group responsible for Reissue process: 2304
      - 20000204 REISSUE REQUESTED
        Issue Date of O.G.: 20000912
        Reissue Request Number: 09/498856
        Examination Group responsible for Reissue process: 2786
 UP - 1999-00
 UACT- 2000-09-12
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     - 200037-001295
     - 5510982 A [US5510982]
 DT - A (UTILITY)
 OG - 2000-09-12
 CO - REA
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 SH - REISSUE APPLICATION FILED
 2/2 PAST - (C) PAST
 AN - 199840-001093
 PN - 5510982 A [US5510982]
 DT - A (UTILITY)
 OG - 1998-10-06
     - REA
 ACT - REISSUE APPLICATION FILED
 SH - REISSUE APPLICATION FILED
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*** 1/39/1***
***DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat***
***(c) 2000 EPO. All rts. reserv.***
***11654856***
***Basic Patent (No, Kind, Date): DE 4240762 A1 19930609
                                                          <No. of Patents: 007>***
***Patent Family:***
                                                  Kind Date***
                                     Applic No
                    Kind Date
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                                        DE 4240762
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                                                             19920827***
                       A2 19940315
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                                        JP 9937286
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       US 5925087
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***Priority Data (No, Kind, Date)
       JP 91319205 A 19911203*
       JP 92228878 A 19920827**
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       JP 92246719 A 19920916***
JP 92324514 A 19921203***
JP 9937286 A 19990216***
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***PATENT FAMILY:***
***GERMANY (DE) ***
     Patent (No, Kind, Date): DE 4240762 A1 19930609***
       EINRICHTUNG ZUR STEUERUNG VON AUTOMATIKGETRIEBEN FUER KRAFTFAHRZEUGE***
* * *
* * *
          (German) * * *
       Patent Assignee: HITACHI LTD (JP) ***
* * *
       Author (Inventor): ONISHI HIROSHI
                                              (JP); KITANO KOJI (JP); KAYANO***
* * *
         MITSUO (JP); KURIHARA NOBUO (JP) ***
* * *
* * *
       Priority (No, Kind, Date): JP 91319205 A
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* * *
       Applic (No, Kind, Date): DE 4240762 A 19921203***
               F16H-059/52; F16H-059/66; F16H-059/24; B60K-041/06***
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       Derwent WPI Acc No: ; G 93-189640***
* * *
     Language of Document: German***
Patent (No, Kind, Date): DE 4328893 A1 19940310***
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* * *
       VERFAHREN UND SYSTEM ZUR GEFAELLEABHAENGIGEN STEUERUNG VON FAHRZEUGEN***
* * *
         UND VERFAHREN UND EINRICHTUNG ZUR SCHAETZUNG DES GEFAELLES (German) ***
* * *
* * *
       Patent Assignee: HITACHI LTD
                                        (JP) * * *
                            OHNISHI HIROSHI (JP); KATAYAMA HIROSHI (JP); ***
* * *
       Author (Inventor):
         KAYANO MITSUO (JP); ISHII JUNICHI (JP); MINOWA TOSHIMICHI (JP); ***
* * *
* * *
         HORIUCHI MICHIMASA (JP) ***
       Priority (No, Kind, Date): JP 92228878 A
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       Applic (No, Kind, Date): DE 4328893 A
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         ; F16H-059/54; B60T-007/12; G01C-009/08***
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* * *
       Derwent WPI Acc No: ; G 94-084717***
* * *
       Language of Document: German***
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***GERMANY (DE) ***
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    Legal Status (No, Type, Date, Code, Text): ***
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                              JP 6074320 A2 19940315***
     Patent (No, Kind, Date):
       VEHICLE INCLINATION DETECTING DEVICE AND AUTOMOBILE USING THE SAME ***
***
         (English) ***
       Patent Assignee: HITACHI LTD***
* * *
                               ONISHI HIROSHI; KATAYAMA HIROSHI; KAYANO MITSUO; ***
***
       Author (Inventor):
* * *
         ISHII JUNICHI***
       Priority (No, Kind, Date): JP 92228878 A
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Applic (No, Kind, Date): JP 92228878 A
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       IPC: * F16H-059/66***
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       JAPIO Reference No: ; 180
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       Language of Document: Japanese***
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     Patent (No, Kind, Date): JP 6147304 A2
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                                              19940527***
       AUTOMATIC TRANSMISSION CONTROL DEVICE FOR AUTOMOBILE (English) ***
* * *
       Patent Assignee: HITACHI LTD***
* * *
                (Inventor): KITANO KOJI; KURIHARA NOBUO;
* * *
                                                                  KAYANO MITSUO; * * *
       Author
          KATAYAMA HIROSHI; ONISHI HIROSHI; ISHII JUNICHI; MINOWA TOSHIMICHI; ***
***
         HORIUCHI MICHIMASA***
* * *
                                                       19921203; JP 92246719 A***
                                    JP 92324514 A
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       Priority (No, Kind, Date):
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         19920916; JP 91319205 A
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       Applic (No, Kind, Date): JP 92324514 A 19921203***
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               F16H-061/00; F16H-059-14; F16H-059-36; F16H-059-42; F16H-059-44***
         ; F16H-059-48***
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       Derwent WPI Acc No: * G 93-189640; G 94-084717***
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       JAPIO Reference No: * 180469M000043; 180469M000043***
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       Language of Document: Japanese***
     Patent (No, Kind, Date): JP 11325227 A2 19991126***
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       AUTOMATIC TRANSMISSION CONTROL DEVICE FOR AUTOMOBILE (English) ***
       Patent Assignee: HITACHI LTD***
* * *
* * *
                               KITANO KOJI; KURIHARA NOBUO; KAYANO MITSUO; ***
                (Inventor):
       Author
          KATAYAMA HIROSHI; ONISHI HIROSHI; ISHII JUNICHI; MINOWA TOSHIMICHI; ***
* * *
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         HORIUCHI MICHIMASA***
* * *
       Priority (No, Kind, Date):
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                                                       19990216; JP 91319205 A***
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         19911203; JP 92246719 A 19920916***
       Applic (No, Kind, Date): JP 9937286 A
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               F16H-061/02; G01L-003/00; F16H-059-14; F16H-059-48; F16H-059-52***
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       Derwent WPI Acc No: * G 93-189640; G 94-084717***
JAPIO Reference No: * 180469M000043***
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* * *
       Language of Document: Japanese***
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***UNITED STATES OF AMERICA (US) ***
     Patent (No, Kind, Date): US 5510982 A
                                              19960423***
* * *
       AUTOMATIC AUTOMOBILE TRANSMISSION WITH VARIABLE SHIFT PATTERN***
         CONTROLLED IN RESPONSE TO ESTIMATED RUNNING LOAD (English) ***
* * *
* * *
       Patent Assignee: HITACHI LTD (JP) ***
       Author (Inventor): OHNISHI HIROSHI (JP); KITANO KOUJI (JP); KAYANO***
* * *
         MITSUO (JP); KURIHARA NOBUO (JP) ***
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       Priority (No, Kind, Date): JP 91319205 A
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                                                     19911203 * * *
       Applic (No, Kind, Date): US 985199 A
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       National Class: * 364424100; 477120000; 477900000; 395905000***
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       IPC: * B60K-017/06***
       Derwent WPI Acc No: * G 93-189640***
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       JAPIO Reference No: *
                              180469M000043***
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       Language of Document: English***
     Patent (No, Kind, Date): US 5925087 A
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                                               19990720***
* * *
       METHOD AND APPARATUS FOR ELIMINATING NOISE IN A SLOPE ESTIMATION ***
* * *
         ARRANGEMENT FOR A MOTOR VEHICLE (English) ***
       Patent Assignee: HITACHI LTD (JP) ***
* * *
       Author (Inventor): OHNISHI HIROSHI (JP); KATAYAMA HIROSHI (JP); ***
* * *
* * *
         KAYANO MITSUO (JP); ISHII JUNICHI (JP); MINOWA TOSHIMICHI (JP); ***
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         HORIUCHI MICHIMASA (JP) ***
       Priority (No, Kind, Date): JP 92228878 A
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                                                     19920827; JP 92246719 A***
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         19920916***
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       Applic (No, Kind, Date): US 112373 A
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       National Class: * 701070000; 701001000; 701076000***
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       IPC: * B60K-041/22; H04B-015/06***
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       Derwent WPI Acc No: * G 94-084717***
       JAPIO Reference No: * 180325M000078; 180469M000043***
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       Language of Document: English***
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***UNITED STATES OF AMERICA (US) ***
     Legal Status (No, Type, Date, Code, Text): ***
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       US 5510982
                            19911203 US AA
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       US 5510982
                            19921203 US AE
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                            19930222 US AS02
                                                     ASSIGNMENT OF ASSIGNOR'S***
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                                   INTEREST***
                                   HITACHI, LTD. 6, KANDA SURUGADAI 4-CHOME***
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* * *
                                   CHIYODA-KU, TOKYO, JAPAN ; ONISHI, HIROSHI : ***
                                   19930202; KITANO, KOUJI : 19930202; KAYANO, ***
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                                  MITSUO : 19930202; KURIHARA, MOBUO : 19930202***
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                  9 ETHICS 10 INSURE 11 MILTRY 12 STSEC 13 TRANS 14 <-Helps->
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        8 CYBRLW 9 FAMILY 10 INTLAW 11 PATENT 12 STTAX 13 TRDMRK 14 EASY
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                                          ALLPAT 4 Comb. ALL & INTPAT
CASES
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                                          DESIGN 4 Full Text Patents from 1976
CAFC
         2 Patent cases from Fed. Cir.
        2 PATAPP & COMMR
                                                  4 Full Text Patents from 1976
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PTO
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IPLTR 5 Intell Prop Law Nwltrs
         5 Intell Prop Law Rev Articles
                                           News, Curnus
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(REISSUE APPL. FILED) \*\*\*

## PATNO=5510982

Your search request has found 1 PATENT through Level 1. To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMTS key. To MODIFY your search request, press the M key (for MODFY) and then the TRANSMIT key.

LEVEL 1 - 1 OF 1 PATENT

<5,510,982>

<==2>> GET 1st DRAWING SHEET OF 20

Apr. 23, 1996

Automatic automobile transmission with variable shift pattern controlled in response to estimated running load

REISSUE: Reissue Application filed Feb. 4, 2000 (O.G. Sep. 12, 2000) Ex. Gp.: 2786; Re. S.N. 09/498,856

Reissue Application filed Apr. 23, 1998 (O.G. Oct. 6, 1998) Ex. Gp.: 2304;

Re. S.N. 09/064,765

CORE TERMS: torque, estimated, a mobile, load, acceleration, estimated, engine, running, gear, revolution...

5510982 OR 5,510,982 Your search request has found no CASES.

5510982 OR 5,510,982 our search request has found no ITEMS.

5510982 OR 5,510,982 Your search request has found no STORIES.